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UNITED STATES DEPARTMENT OF AGRICULTURE,
OFFICE OF MARKETS AND RURAL ORGANIZATION,
WASHINGTON, D. C.



STANDARDS FOR SHELLED CORN.

Tabulated and abridged description of the official grain standards of the United States for shelled corn under the U. S. Grain Standards Act, established and promulgated by the Secretary of Agriculture September 1, 1916, effective December 1, 1916.

(Compiled from Service and Regulatory Announcements, Markets 11, "Official Grain Standards of the United States for Shelled Corn.")

Grade number of White Corn, Yellow Corn, or Mixed Corn.	Per centum of moisture not more than—	Per centum of foreign material and cracked corn not more than—	DAMAGED CORN.		Minimum test weight per Winchester bushel.
			Total per centum not more than—	Total per centum may include per centum of heat-damaged and mahogany kernels not more than—	
1*-----	14.0	2	2	.0	Pounds. 55
2*-----	15.5	3	4	.0	53
3*-----	17.5	4	6	.0	
4*-----	19.5	5	8	0.5	
5*-----	21.5	6	10	1.0	
6†-----	23.0	7	15	3.0	

*The corn in grades Nos. 1 to 5, inclusive, must be sweet.

†The corn in grade No. 6 may be musty or sour and may include corn that is immature and badly blistered.

SAMPLE GRADE.—Shall be corn which does not come within the requirements of the grades for white corn, the grades for yellow corn, and the grades for mixed corn, including corn that is hot, fire burned, infested with live weevils, or otherwise of distinctly low quality.

DEFINITION OF TERMS USED ABOVE.

- (1) WHITE CORN.—Corn of which at least 98 per centum by weight of the kernels are white. A slight tinge of light straw color or of pink on kernels of corn otherwise white shall not affect their classification as white corn.
- (2) YELLOW CORN.—Corn of which at least 95 per centum by weight of the kernels are yellow. A slight tinge of red on kernels of corn otherwise yellow shall not affect their classification as yellow corn.
- (3) MIXED CORN.—Corn of various colors not coming within the limits for color as provided in the definitions of white corn and yellow corn. White capped yellow kernels shall be classified as mixed corn.
- (4) FOREIGN MATERIAL AND CRACKED CORN.—Kernels and pieces of kernels of corn and all matter, other than corn, which will pass through a metal sieve perforated with round holes fourteen sixty-fourths of an inch in diameter, and all foreign material remaining on the sieve after the sample of the corn involved has been screened.
- (5) HEAT-DAMAGED AND MAHOGANY KERNELS.—Kernels of corn which have been discolored as a result of heating caused by fermentation or as a result of fire.
- (6) PER CENTUM.—In case of foreign material and cracked corn, damaged corn, and heat-damaged and mahogany kernels, is the percentage ascertained by weight.
- (7) PER CENTUM OF MOISTURE.—The percentage of moisture contained in corn (maize), which shall be equivalent to that ascertained by the moisture tester and the method of use thereof described in Circular No. 72, and supplement thereto, issued by the U. S. Department of Agriculture, Bureau of Plant Industry.

